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An  
Inaugural Essay.  
on  
Dissentery.

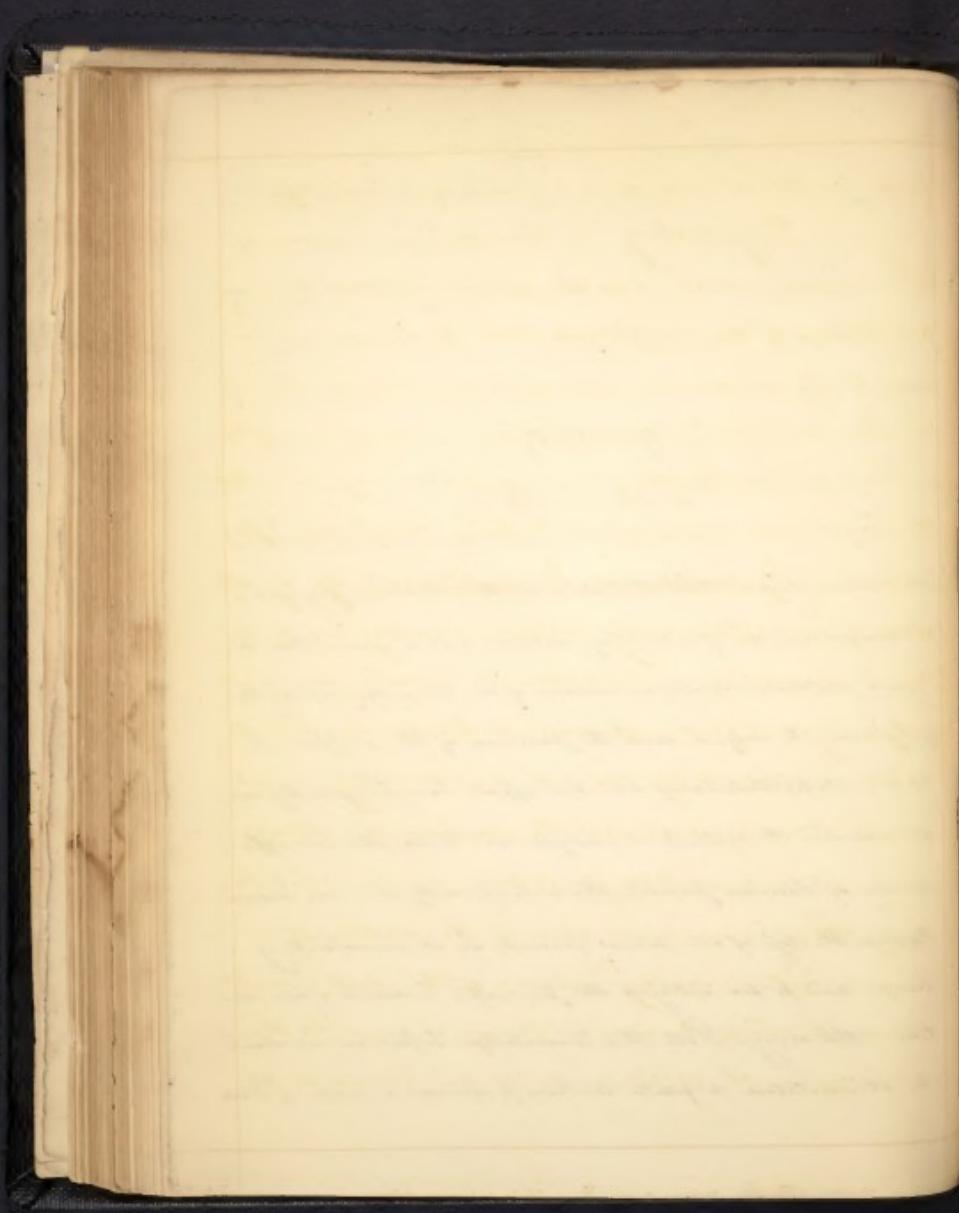
*By  
Edward Howell Jr.  
of  
Delaware.  
March 14<sup>th</sup> 1826 —*

Amherst 1860

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## Dystrophy.

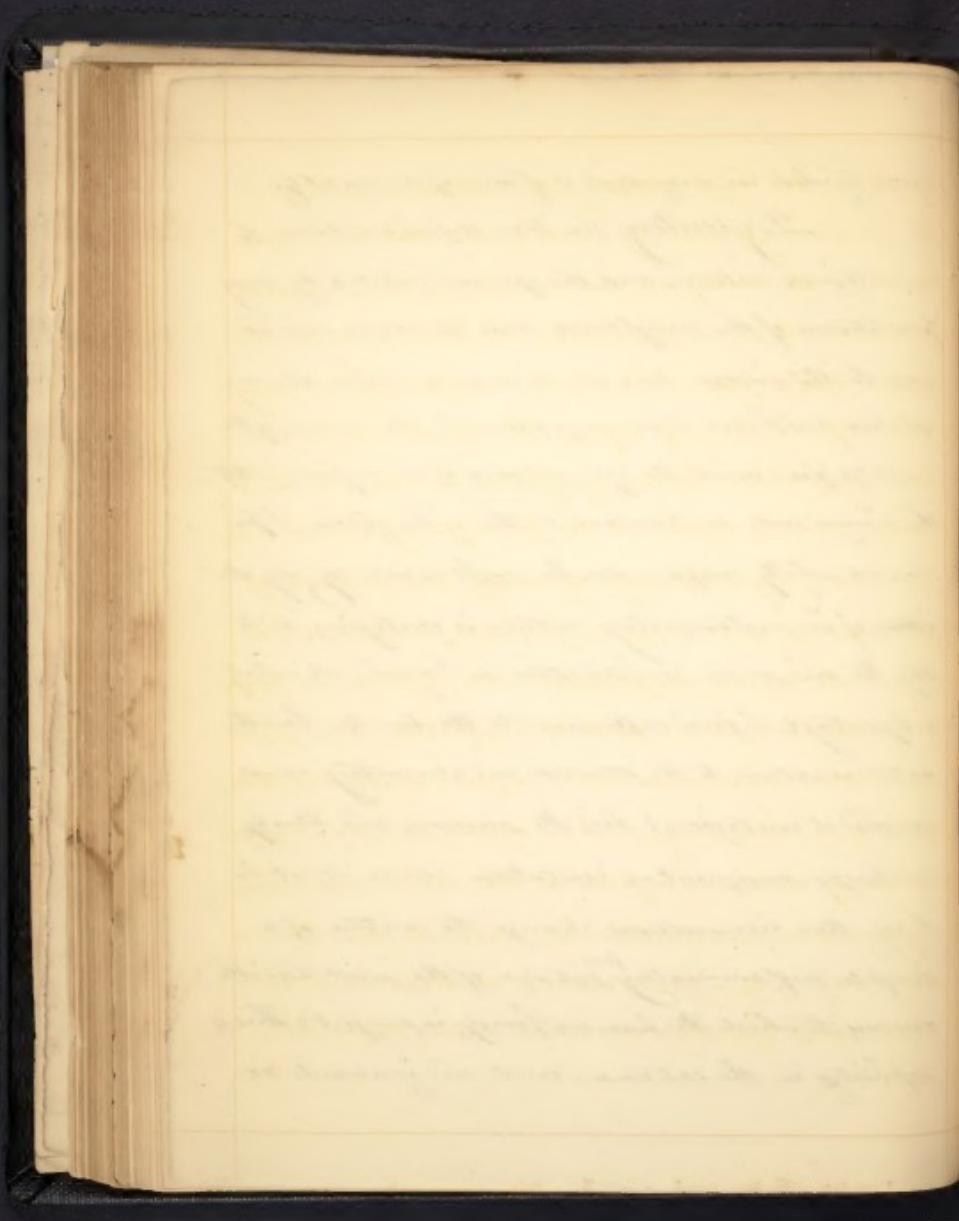
Amongst the greatest punishments inflicted on man is disease. And the subject of the following remarks is by no means one of a trifling nature; but it is one, that in many instances requires an exercise of all the judgment of the Physician to conquer; and the patience of the sufferer to bear. Notwithstanding all our efforts have frequently we been doomed to witness its ravages, and to see the insufficiency of human power. How frequently are we doomed to bear the loss of our dearest Friends by its penetrating hand; and to see destroyed the principle bulwark of our position - the army. With this knowledge before us we should be stimulated to great exertions to discover a mode of treat-



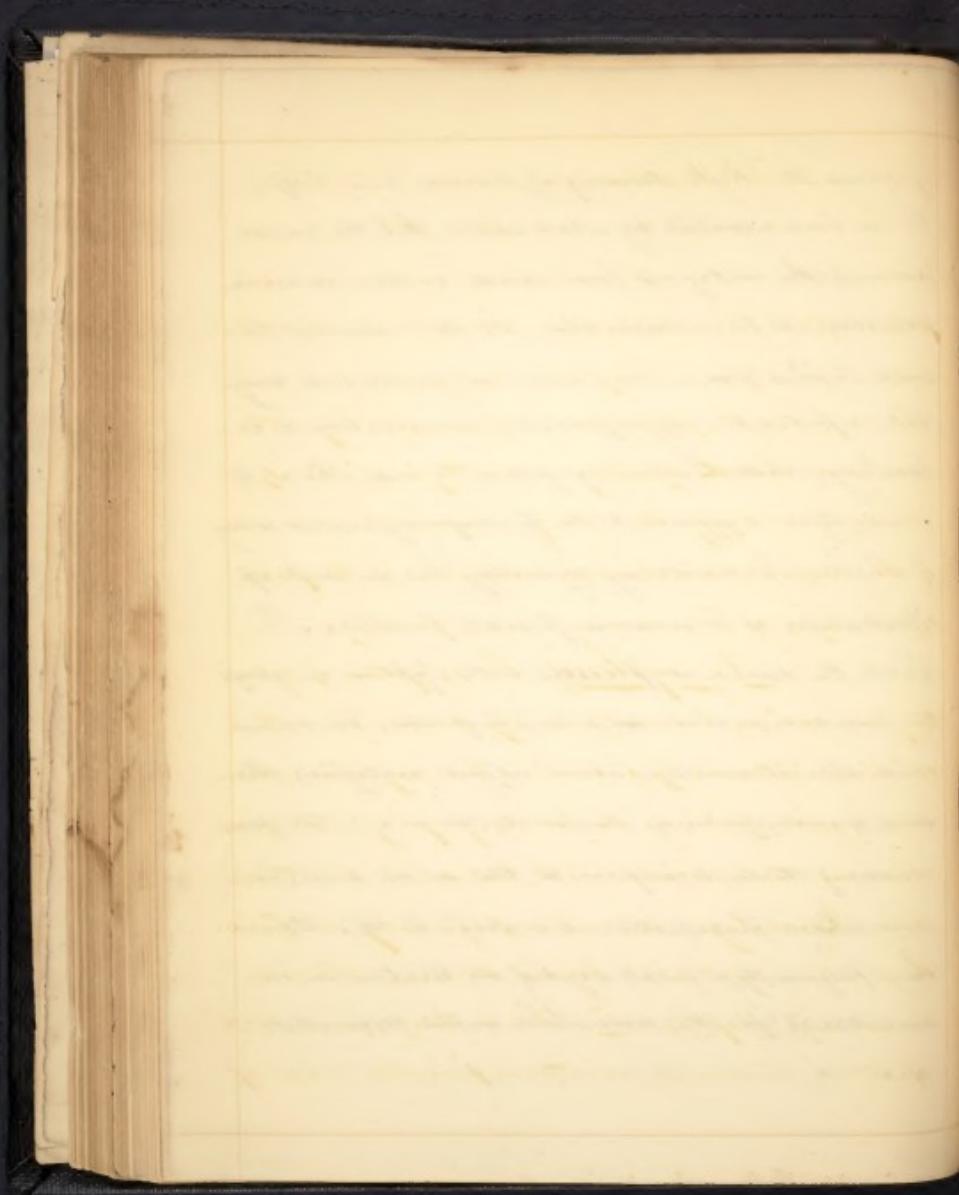
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ment by which we may divest it of some of its mortality.

Dysentery has been defined a disease of a contagious nature, and this opinion imbibed by many practitioners of this enlightened time has added new horrors to the disease. How often do we find relation bearing relation; and friend abandoning friend to the invades of the scythed foe; under the ignorant and false impression that the disease will be transferred to them. This opinion I pronounce wholly confounded. We might as well say any other form of an inflammatory nature is contagious as to say the one under consideration is. I would ask, what is dysentery? A few determinants to the body. - Does the contamination to the stomach and alimentary canal render it contagious? Does the mucous and bloody discharge, consequent on irritation, render it so? Do I say these circumstances change the nature of a simple inflammatory <sup>disease</sup>, but one of the most horrid diseases to which the human family is subject? This is sophistry in the extreme, cruel and ignorant; all-



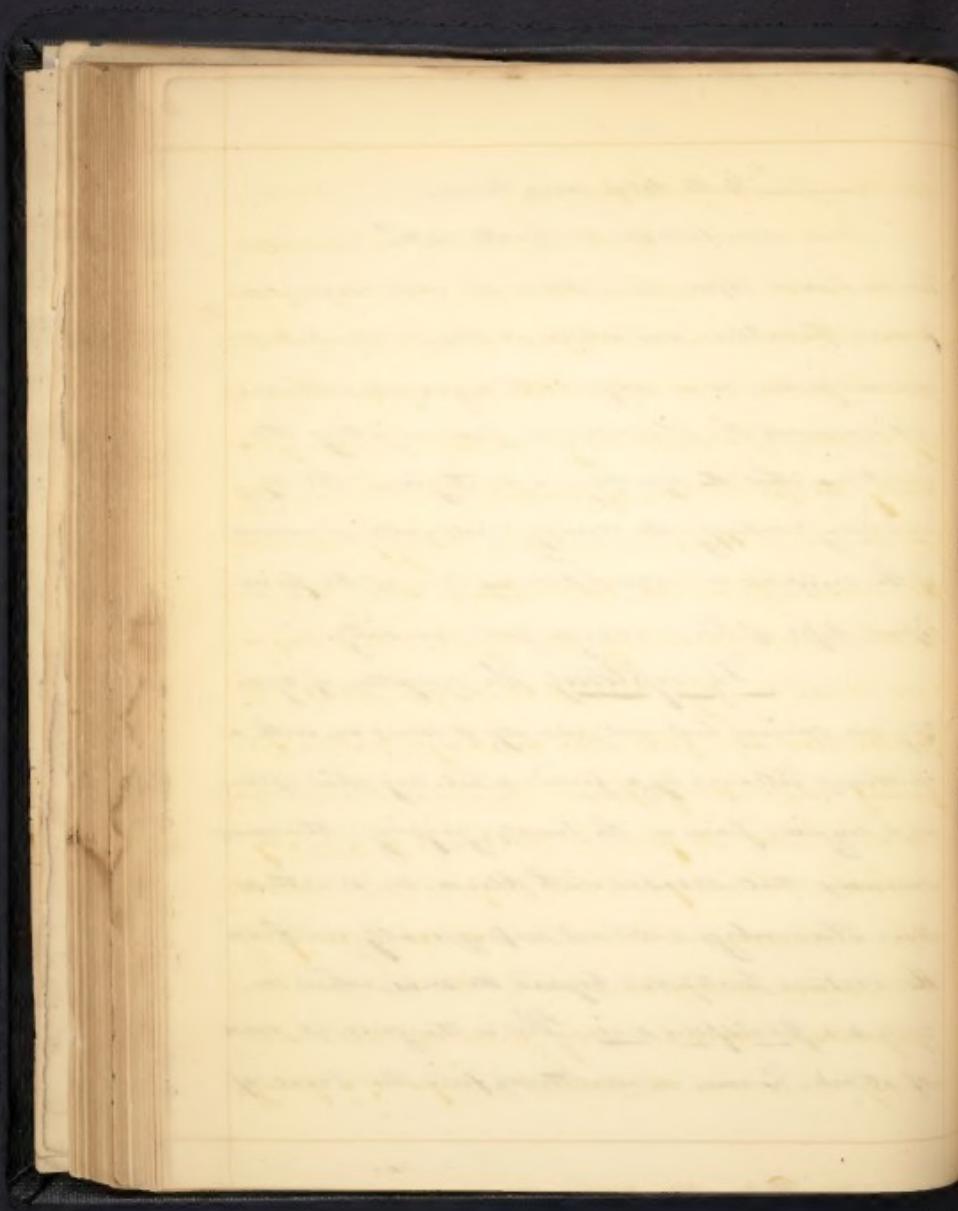
garding the high standing of medical knowledge.  
It has been advanced by a late writer that the disease  
assumes the contagious form under certain circum-  
stances. As for instance, when the Fever assumes the  
seal Typhus form. This I will not pretend to deny.  
That a patient may impart the disease, while la-  
bouring, under Typhus symptoms, to one who at the  
same time is exposed to the predisposing causes is very  
probable. But ordinary asympoty has no such ap-  
pearance, as it occurs in private practice. The  
finds the disease complicated with Typhus in camps  
or crowded marine and land hospitals. What arises  
under these circumstances would not prove contagious. Num-  
berless of unhappy beings crowded together in a small space,  
rendering the air as impure as that which arises from  
sepulchral putrefaction; and added to this there is  
very frequently a great want of ventilation in our  
receptacles for the sick which confine the families  
and



"To the total sume triuit.  
Sust assimilate and long with death."

But, as I said before, this seldom or never occurs in  
private practice; and when it does, it should be con-  
sidered merely as an exception to a general law, and  
not warrant the physician in promulgating the  
doctrine that the dysentery is contagious; thereby  
rendering unhappy the already miserable moments  
of the sufferer; and also depriving him of the prin-  
cipal hope of his recovery - good nursing.

Symptoms. The symptoms of dysen-  
tery are various but most generally, it comes on with a  
chilling, followed by a fever; a hot, dry skin; few  
red tongue; pain in the bowels; griping; tenesmus;  
serous stools streaked with blood; and sometimes  
more hemorrhage - and, not unfrequently, we find  
the rectum protruded beyond the anus, which is  
called a prolapsus ani. This is the general mode  
of attack; however, we sometimes find the local ef-



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fective preceding the fever.

If the disease be not arrested in its course it assumes the most alarming appearance. There is considerable prostration of strength, quick pulse, cold extremities, hiccuping. These are symptoms of an alarming nature, and are generally the precursors of death; but, not invariably so; for we sometimes see recoveries taking place under the most unfavourable circumstances. When it is about to terminate favourably the tongue, which before was covered in dry,成为 clean and moist; the pulse slow and full; the discharges not so frequent and with less pain; the skin becomes relaxed and moist. the pain in the bowels gradually, subsides. The inexperienced physician, in this disease, is sometimes lured into a fatal purity by the sudden disappearance of the last mentioned symptoms. He frequently finds the pain suddenly cease and the patient in hopes of a speedy



recovery; but how vain is the hope (you will) on the basis of ignorance. Instead of finding his patient recovering, he discovers his fatal error too late, and sees with pain and disappointment his prospects blotted out and his patient a victim to opium.

Cures. The causes of dysentery are exceedingly numerous: we find it produced by all that which gives rise to an autumnal disease: by impudence in eating or drinking; sleeping in damp places; wearing damp clothes; exposure to the sun through the day and a moist atmosphere at night. That it is produced by contagion I have already done, except under limited circumstances. Some have said that it is produced by excretions and recretions. But this is by no means the case. They would seem not at all adequate to the fulfillment of such a purpose. Did the univer-  
sities prove the power of the disease, then we should have it ascertained in its nature as the



causes are different, and we shoud have it occurring in various forms. But we find it always the same, only, as it is influenced by a difference in constitution, and a gradation of force. Moreover it has been fully shown that syphilitic matter may be propagated although the utmost cleanliness be observed. What then are we to infer, but that, as in Typhus fever, the pustules on the surface of the body take on a purulent, fungous and elaborates a contagious matter?\*

In Chapman in the case I put of his lecture series this being a contagious disease; I therefore presume that he here means that the pustules on the surface excrete this contagious matter only when the fever is purely typhus. Under ordinary circumstances I think the opinion of its being contagious arises simply from the following cause. The nurses and attendants on the sick become debilitated and

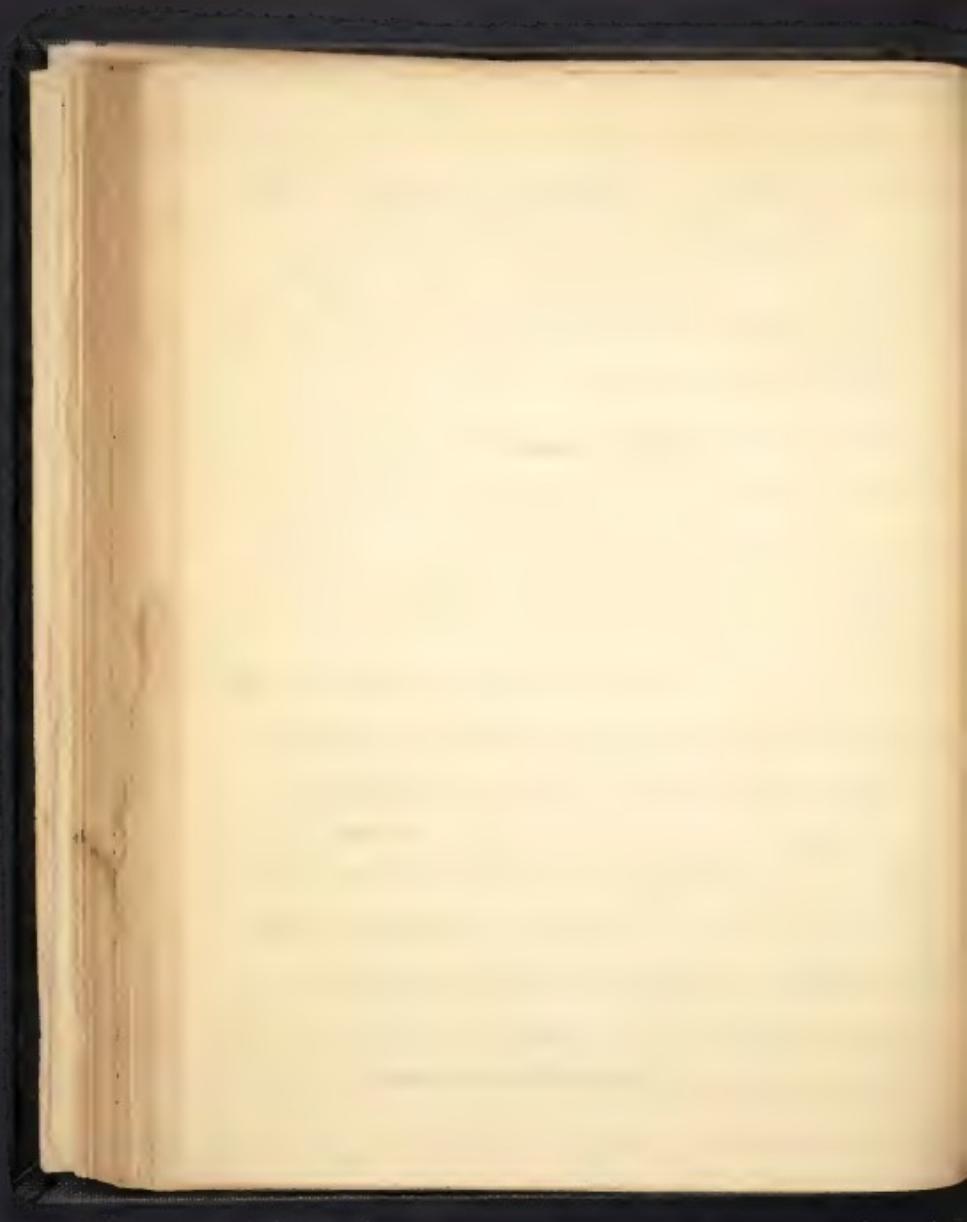
\* In the lecture



more &c., frequent watching; and through impetuosity they expose themselves to the common cause of the disease; the system being in a state of predisposition the causing act and they sicken. It is then attributable to contagion.

Treatment. The indications of cure are sufficiently obvious from what has been said. We are in the 1<sup>o</sup> place to subdue inflammation. 2<sup>o</sup> to remove spasm. 3<sup>o</sup> to quiet irritations.

If we are called in the first stage of the disease we will sometimes find the Pulse tense and hard; under those circumstances few I think would hesitate in regard to the propriety of blood letting. The extent to which it must be carried is to be governed by the pulse, the pain, and other circumstances, but generally fifteen or twenty ounces will be sufficient at first. If however symptoms should require it we should not hes-



state, to repeat it.

After the disease has been over  
to a sufficient extent we should next resort to the  
use of Metics. - am not only supported by my  
own slight experience in the communication  
of this said & service in operating, but I have  
the support of the learned professor of the practice  
of Physick in this University, with many others of  
high standing in the profession. Indispensible  
of this, more moment able than induce a relaxation  
of the surface of the body which is of the greatest util-  
ity in this disease. In the summer of 1828 this disease  
prevailed to a considerable extent in Hibernia and  
its vicinity. This mode of proceeding was found, par-  
ticularly beneficial by, my preceptor (Dr A M Lane)  
whose judgment in disease some of the professors of  
this school are fully acquainted with. And if I  
am permitted to add my slight experience I would  
say, this plan is the best to attack this formidable disease



in order to arrest its progress and to pave the way for other remedies. It is now pretty generally admitted that the Specacuanha is the best remedy in this case. In the vicinity of Milwaukie it was used by Dr. McLane in combination with calomel, in order to evacuate the bowels, as well as stomach, in the following proportions:

Calomel - - - gr. x

Specacuanha - - - gr. xv.

<sup>Mr</sup>

This was given at once in syrup of any kind, and always produced two or three evacuations from the stomach, but generally it was found necessary to resort to the use of Castor oil before the Calomel would operate on the bowels. The discharges from the stomach generally, consisted of a thick,ropy, tenacious and glutinous mucus which always afforded considerable relief to the patient. The quantity of this matter discharged was almost incredible, amount.



ins, in many instances to a pint and a half, and even a quart.

After having thus resorted to bleeding, and evacuations from the stomach and bowels, the attention was directed to the spasms and irritation which still existed. To overcome this the diaphoretics were called to aid. The principal of these used were the Dover's Powder at night and the following combination during the day:

Onclea p. p. t. — gr. ij.

Catapona — gr. viij.

Hiccanumba — gr. vii.

Opii — gr. iij.

The above ingredients were intimately mixed and divided into 5 or 6 small powders, according to the urgency of the case, and one given every 4 hours. If they produced sickness of stomach, which they sometimes done, half of one was given every two or three



Wimp all over the exfoliation pain & I accid.  
tly wrote up jessie. Found my boy well.  
Soda and tea in mixture of gumblattie were  
given as drink. This plan of treatment, most gen-  
erally, subdued the disease. However sometimes it  
would not assist it; the torments and tenements were  
severe on the extreme: in fact all the symptoms  
were aggravated. There was then ordered a large  
Blister over the abdomen; injections composed of  
fresh butter or lard with a teaspoonful of lauda-  
num. If the butter or lard could not be procured, glass  
and tea with laudanum was substituted, and they  
were repeated every four hours... At the same time  
the remedies were used the combination above  
of bath &c, was continued. This plan of treatment  
in almost every instance, succeeded to cure the most  
severe affection. But it is best not to use injections  
located in this way, not so dire, which I consider a pretty  
strong argument in favor of its utility.



But other practitioners pursued a different course; some adherence to the old, and almost exploded doctrine of treating the disease with astringents, and their success proved the fallacy of this plan. I know one Physician who gave 22 gr. of Salicet three nights in succession, and then gave the sugar of lead in very large doses. What success attended his practice I leave those who read this essay to judge.

I think, however, that all will admit the impropriety of the plan who strictly attend to the pathology of the disease. How do we find the vessels of the stomach? Do we not find them in a state of constriction? Undoubtedly we do. Are they not severely affected with spasm? They are. Then I would ask, how is sugar of Lead to affect a cure under these circumstances? It cannot do it. But I would not be understood to say that sugar of Lead is not useful in any stage of the disease. If its utility in the chronic form I am fully aware. \*



It is merely in the acute stage that I deprecate its use. Why should it not be prejudicial? Let us not confine still closer the already constricted vessels and thereby close the only outlet for the disease. I am therefore convinced that I shall have a majority in favour of the assertion, that the remedy in the acute stage is improper.

The use of Blisters has been strongly recommended by many practitioners in this disease, particularly when applied to the abdomen. We appear to place their opposition on the assumption that they are not beneficial in the patis of the misery and distress they cause the patient. This assertion is certainly very incorrect, because the advantages derived from their use is very great, and the distress produced by them, very trifling. The consideration of unkindness to the patient arises from a false Humanity, and should not be countenanced by any one who



wishes his patient to do well. May I say the bister would be applied to the scrotum. This may do in some slight cases, but it certainly will be admitted that the means they are applied to the rest of the disease the stronger will be the impression made. I therefore will venture to assert, that we have no substitute for blisters to the abdomen, in this disease after the inflammatory symptoms have been somewhat passed.

To alleviate the tormina and termesus when they are not violent; I have found a teaspoonful of castor oil with five draps of Laudanum given every hour or two, quite very beneficial. This produces a pretty free discharge from the bowels, and the insatiable ease the pain.

Specacumba. This remedy Dr. B. Drayg recommends in many places



literary; but the note of arbitrary power of  
Mr Beaupin of Bergerac is one of the boldest I have  
ever seen recommended. It consists in giving from  
a half to a full drachm with 30 to 60 drops of  
Laudanum confining the patient to a hori-  
zontal position. I know not the degree of irrita-  
bility of the stomachs of those he practised on, but  
I think if it was tried on the majority of patients  
in this country it would be rejected almost  
instantaneously. But if we could find a sto-  
mach that would bear such a dose I have  
no doubt it would prove of signal advantage,  
because it is now generally admitted that this  
united wants an action, *hui generis*, indepen-  
dent of its evacuant or diaphoretic properties.  
That this peculiar action is exerted is proved by the  
fact that other diaphoretics, equally as strong, u-  
nless peculiar power, do not exert the same  
beneficial effects on the disease. It has also



been recommended to administer it in the form of infusion, but we have been led to believe that this preparation is entirely inert. Not having tried it more than it does, we do not presume to say, any thing as regards its efficacy, or inefficacy in this mode of administration.

Opiate has been strongly recommended, and I think after the inflammatory state of the bowels are somewhat reduced it is a remedy of considerable importance. It allays irritation, overcomes spasms of the bowels and by a determination to the surface it relieves the capillaries.

Warm Bath. This has also been highly recommended in this disease, but from the great inconvenience attending its use it is seldom resorted to. But when we have the means of exhibiting it we should by all means use them, as the advantage derived from it is very great. —



Plumbeous Water? As a substitute for the warm bath this simple expedient has been resorted to with considerable success. In fact it possesses advantages over the bath. It inspects a warmth in at the same time gives up heat to the bather, &... for this reason it has been looked upon as superior to the bath.

When dysentery assumes the dry phus form of fever we must direct our remedies to the exciting system. For this purpose we order the pot. Alkal. - Musco - Camphor - Wine &c: and we should combine with the use of these stimulants a nourishing diet as Lago - Sappuccio - Ascor Root into which wine should be poured. We should also allow wine whay for a constant drink.

If all the remedies we have enumerated fail we must resort to the use of Mercurij and if carried to the extent of Salic.



ration we were seldom to sufficient in our  
preparation to give the bowel affection alle-  
viation as soon as the mouth becomes affected.

### Cerebral Syphilis. -

We yet have done nothing in  
regard to the chronic form of the disease, and  
I think I cannot do better than add back what  
was contained in the subject, and close with a  
description of that form of it, which occurred  
Bellinger in the summer of 1824. He  
speaks of this form Dr Chapman was in the  
cases. Though the acute symptoms be removed  
there still remains considerable tenderness  
of the bowels, which are frequently excited  
to action, and by the slightest cause; pro-  
ducing small evacuations, most commonly  
consisting of mucus, and very offensive. Every  
evacuation is attended with more or less tor-



miser, and which often becomes very painful. Little appetite, and what food is taken is not digested at all or very imperfectly. The skin is dry and parched, the complexion pallid, the eyes sunken, with a pinched and meagre expression of the face. Evidently there is here a great confinement of the blood to the large vessels, and on this account the determination to the surface is considerably diminished. I have met with several instances in the course of my practice which, resisting the ordinary treatment with tonics have very properly recovered under the use of those means which are necessary to promote and keep up a gentle degree of perspiration. It is here also the flannel roller may be employed to advantage. When the disease is attended with vesical obstruction, Mercury and the Nitric Acid must be employed. The Nitro Muriatic acid applied by fumigation, or given internally is at the crisis the best remedy." \*

\* Dr A Chapman's Lecture.



There is a form of Bhoonie Syphilitic which followed the acute stage as it appeared in Philomonton, which comes so near the Colonist of the East Indies, I think it will not <sup>be</sup> amiss to say a few words on it; with the plan pursued for its cure.

The patient did not complain of much pain except when called to the Commode, then the tenesma was considerable, and the discharges looked very much like the washings of beefs Latara Carnivorous being very fluid without much foam; the Pulse was small and frequent; the skin hot and dry, the tongue somewhat furrowed, and of rather a bright colour, no appetite. At first the treatment was commenced with the Benivian Bark, Associate of Sassafras, but finding no benefit from their use the following was ordered—Lach. Lat. gr: xij - Opie - gr: iiij. These were intimately mixed and divided into six powder

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People should be made aware of  
what is in their power to do to help  
and to encourage others to do the same.  
A good place to start would be to go  
and speak to the local leaders and  
ask them what they can do to help.  
They may be able to offer advice or  
help in other ways. They may also  
have connections to other people  
who may be able to help. It is important  
to stay positive and hopeful, as well as  
to keep pushing forward. It is through  
perseverance and determination that  
success can be achieved. It is only by taking  
one step at a time and not giving up  
that we will reach our goals. It is also  
important to remember that change  
takes time and effort. It is important  
not to be afraid of failure, as it is a natural  
part of the process of achieving success.

one of which was given three times a day. If the pain was violent Castor oil with Lancaenum was given to open the bowels, and at night 2 grs of Bow's Powder. Under this treatment I do not know a single case that did not recover.

It has long been the practice to treat this form of the disease with tonics, and reasoning a priori we should suppose they would be beneficial, but in many cases we prove the contrary. By a late writer in the Medical and Physical journal the precipitate of iron was recommended in very strong doses, but the trials I gave it put me very much against it. If these remedies fail resort to the use of Mercury in the action of which we are seldom disappointed. The flannel Roll and may add is of great advantage and should always be used.—

